

New England Biolabs Certificate of Analysis

Product Name: 1 kb DNA Ladder
Catalog Number: N3232S
Concentration: 500 µg/ml
Unit Definition: N/A
Lot Number: 10023272
Expiration Date: 08/2020
Storage Temperature: -20°C
Storage Conditions: 10 mM Tris-HCl (pH 8.0), 1 mM EDTA
Specification Version: PS-N3232S/L v1.0

1 kb DNA Ladder Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
N3232SVIAL	1 kb DNA Ladder	10019551	Pass
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10021087	Pass

Assay Name/Specification	Lot # 10023272
A260/A280 Assay The ratio of UV absorption of 1 kb DNA Ladder at 260 and 280 nm is between 1.8 and 2.0.	Pass
DNA Concentration (A260) The concentration of 1 kb DNA Ladder is between 500 and 550 µg/ml as determined by UV absorption at 260 nm.	Pass
Electrophoretic Pattern The banding pattern of 1 kb DNA Ladder on a 1.2% agarose gel shows discrete, clearly identifiable bands at each size fragment of the marker, when stained with Ethidium Bromide at a concentration of 0.5 µg/ml.	Pass
Non-Specific DNase Activity (DNA, 16 hour) A 50 µl reaction in 1X NEBuffer 2 containing 2.5 µg of 1 kb DNA Ladder incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.	Pass

This product has been tested and shown to be in compliance with all specifications.



Vanessa Mathieu-Sheltry
Production Scientist
22 Aug 2018



Michael Tonello
Packaging Quality Control Inspector
12 Oct 2018